

BLOCK DIAGRAM PM DC/8

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SIZE CODE IDENT NO. DWG NO.

A 52648

MA 700655

SCALE REV SHEET

3

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LAST DESIGNATION USED	
RESISTOR	R24
CAPACITOR	C45
INTEGRATED CIRCUIT	U55
RESISTOR MODULE	RU4
CRYSTAL	Y1

REF DES	GATES USED PER TOTAL	PART NO.
J7	4/5	74HO4
U35	5/5	74O4
U36	3/5	74O4
U42	3/4	740220-380
U44	1/2	75452
U51	1/2	74H75

7. COMPONENTS ARE LAB SET. TO BE SET PER TEST SPEC TS700643.
8. ALL CAPACITORS ARE IN MICROFARADS.
9. * INDICATES SIGNAL NOT USED ON THIS PARTICULAR BOARD.
4. DESIGNATIONS SHOWN IN PARENTHESIS (2/A1) INDICATES WHERE SIGNAL ORIGINATES OR TERMINATES.
3. SIGNALS SHOWN IN RECTANGLE [A1] ARE I/O CONNECTIONS BOARD SIDE PIN DESIGNATION CONNECTOR DESIGNATION.
2. FOR ASSEMBLY SEE DWG. 700643.
1. ALL RESISTORS ARE IN OHMS, $\pm 5\%$, 1/4W.
- NOTES: UNLESS OTHERWISE SPECIFIED.

SIDE 2		SIDE 1	
+5V	A		
GND	B		
	C		
	D		
	E		
	F		
	G		
	H		
	J		
	K		
	L		
	M		
GND	N		
	P		
	R		
	S		
GND	T		
	U		
	V		

SIDE 2		SIDE 1	
+5V	A	CTPL	
GND	B	DSCTPL	
	C	GND	
	D		
	E		
GND	F	GND	
	H		
	J		
	K		
	L		
	M		
GND	N	GND	
	P		
	R		
	S		
GND	T	GND	
	U		
	V		

SIDE 2		SIDE 1	
+5V	A		
GND	B		
	C		
	D		
	E		
	F		
	G		
	H		
	J		
	K		
	L		
	M		
GND	N		
	P		
	R		
	S		
GND	T		
	U		
	V		

SIDE 2		SIDE 1	
+5V	A	CTPL	
GND	B	DSCTPL	
	C	GND	
	D		
	E		
GND	F	GND	
	H		
	J		
	K		
	L		
	M		
GND	N	GND	
	P		
	R		
	S		
GND	T	GND	
	U		
	V		

1	GND	21	GND
2	GND	22	DISC INDEX MK L
3	GND	23	GND
4	DISC DATA IN L	24	DISC WET/ERASE GATE L
5	GND	25	GND
6	DISC RD CLK L	26	DISC SEC 1 L
7	GND	27	GND
8	DISC WRT PROT L	28	DISC SEC 4 L
9	GND	29	GND
10	DISC READ L	30	
11	GND	31	GND
12		32	DISC SEC 8 L
13	GND	33	GND
14	DISC WRT STATUS L	34	
15	GND	35	GND
16	DISC SECTOR MK L	36	DISC STROBE L
17	GND	37	GND
18	DISC FILE RDY L	38	POWER OK H
19	GND	39	GND
20	DISC HEAD SEL L	40	

SIDE 2		SIDE 1	
DISC SEEK FAIL L	A	CLC DATA H	
DISC ADD 64 L	B	RD CLK TH	
DISC ADD 16 L	C	IDLE (1) H	
DISC DRIVE 0 L	D	RDY S/R/W H	
DISC ADD 128 L	E	FILE RDY H	
STROBE (1) H	F	CLR SECTOR AD L	
DISC ADD 4 L	H	CLR ALL L	
DISC ADD 32 L	J	B DATA 11 H	
DISC ADD 2 L	K	B DATA 0 H	
DISC RDY S/R/W L	L	B DATA 9 H	
LD DISC ADDRESS H	M	B DATA 8 H	
CLC 16 (1) H	N	DISC DRIVE 3 L	
SECTOR ADDRESS (1) H	P	DISC DRIVE 2 L	
B DATA 7 H	R	DISC DRIVE 1 L	
HALF BLOCK H	S	DISC ADD 1 L	
FUNCTION 02 H	T	DISC ADD 0 L	
FUNCTION 00 H	U	DATA ENABLE (1) H	
FUNCTION 01 H	V	EUAB DATA L	

SIDE 2		SIDE 1	
6 PM 30K H	A	1/2 BIT OK H	
CLR DRIVE CMD L	B	DISC FILE RDY L	
DRV REV 0 H	C	DISC CAPACITY EX L	
DISC WRT STATUS L	D	END STATE (0) H	
ERROR CLR L	E	LAST WORD PL H	
SECTOR SEEK (0) H	F	WRITE (1) H	
BTP2 H	H	PM DATA 11 H	
SHIFT WRT BUFF L	J	BTP3 H	
BRK ENAB CLK H	K	SET IDLE PL L	
B LAST BRK H	L	LD MAIN SHIFT L	
BTP3 OK H	M	DATA CLK OK H	
LAST BRK (1) H	N	SHIFT CRC L	
MAIN (0) H	P	DATA STATE (0) H	
IDLE (0) H	R	DATA IN (0) H	
RD SHIFT DB L	S	CLR CNTES L	
HI MAIN SHIFT L	T	RTRY - L	
BRK IN CLK H	U	SHIFT SURF / SEC H	
WRT CMD L	V	STATE ENAB B H	

1	GND	21	DISC ADD 1 L
2	GND	22	GND
3	DISC CAPACITY EX L	23	DISC DRIVE 0 L
4	GND	24	GND
5	DISC SEEK FAIL L	25	DISC ADD 32 L
6	GND	26	GND
7	DISC ACKNOWLEDGE L	27	DISC RDY S/R/W L
8	GND	28	GND
9	DISC SEC 2 L	29	DISC ADD 128 L
10	GND	30	GND
11	DISC DRIVE 3 L	31	DISC WRT CLK INT AT L
12	GND	32	GND
13	DISC RESTORE L	33	DISC ADD 16 L
14	GND	34	GND
15	DISC DRIVE 2 L	35	DISC ADD 64 L
16	GND	36	GND
17	DISC ADD 4 L	37	DISC ADD 2 L
18	GND	38	GND
19	DISC DRIVE 1 L	39	DISC ADD 8 L
20	GND	40	GND

ZONE LTR	DESCRIPTION	DATE	APPROVED
A	REL TO PROD PER ERO 500708	1-15-76	AB
B	INCORPORATED EO 1173	5-13-76	AB
C	INCORPORATED EO 1214	6-1-76	AB
C	INCORPORATED EO 1269	9-2-76	AB

PRODUCTION RELEASE

Plessey Memories Incorporated Santa Ana, California	
DRAWN KRAVANIS	DWG TITLE SCHEMATIC DIAGRAM CONTROL PM-DC/8
CHECKED [Signature]	2-17-76
ENGR	2-17-76
PROJ. ENGR. [Signature]	2-17-76
PROD. DESIGN [Signature]	2-17-76
OTHER	
APPROVALS	
SIZE	CODE IDENT NO. DWG NO.
D	52648 SD700643
SCALE: 1" = 1"	REV: C
SHEET 1 OF 9	

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ZONE/LTR	DESCRIPTION	REVISIONS	DATE	APPROVED
SEE SHEET 1				

B LAST BCK H FL2

DATA ENABLE (0) H EU1

6PN 3 OK H (4/B8, 5/C5)

HALF BLOCK H ES2

BTP 3 OK H FM2

BTP 2 H FH2

FUNCTION 00 H EU2

FUNCTION 01 H EV2

FUNCTION 02 H ET2

* CLR CNTRS H

STATE ENAB (5/D5)

B H

HEADER E (4/B1)

CLR ALL L EH1

DATA STATE (0) H (3/A6, 4/A8)

HI MAIN SHFT L FT2

(3/C4) RD CLK 2 L

(5/B1) B WRT CLK L

SECTOR ADDR (0) H EP2 (5/A6)

(5/D7) B DATA 11 H EU1

(5/D7) B DATA 10 H EK1

(5/D7) B DATA 9 H EL1

(5/D7) B DATA 8 H EM1

B DATA 7 H ER2

LD DISC ADDR H (4/C8)

FU1 SHFT SURF/SECH

EF1 CLR SECTOR AD L

128TH WORD H (2/B2)

12TH CARRY L

INH 12TH BIT (0) H (3/C1)

INH 12TH BIT (1) H *

FA1 12 BIT OK H

FE1 LAST WORD PL H

LAST WORD PL L (4/A6)

128TH WORD H (2/C5)

CLR CNTRS L

16TH BIT H (4/B6)

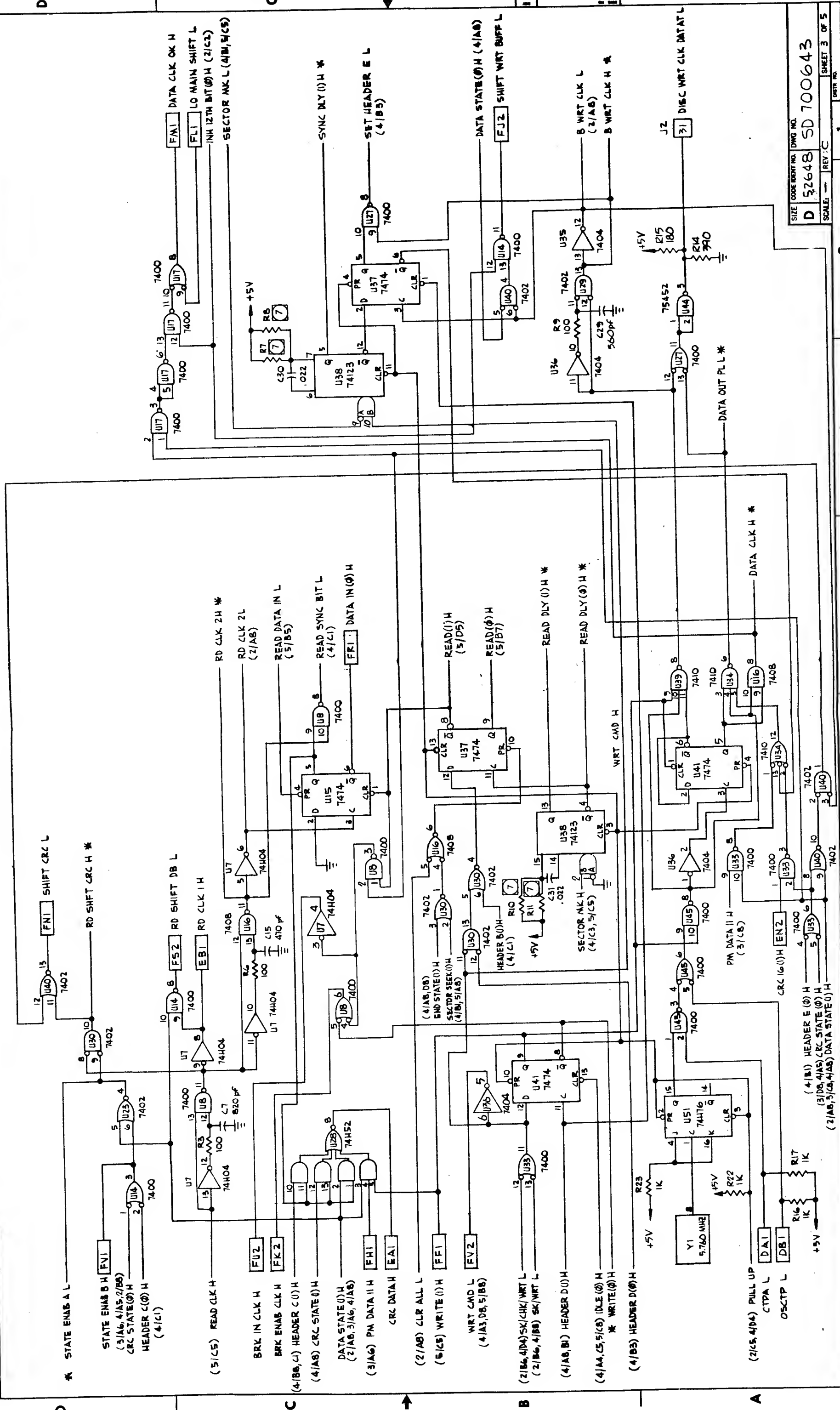
16TH BIT L (4/A6)

16TH CARRY H *

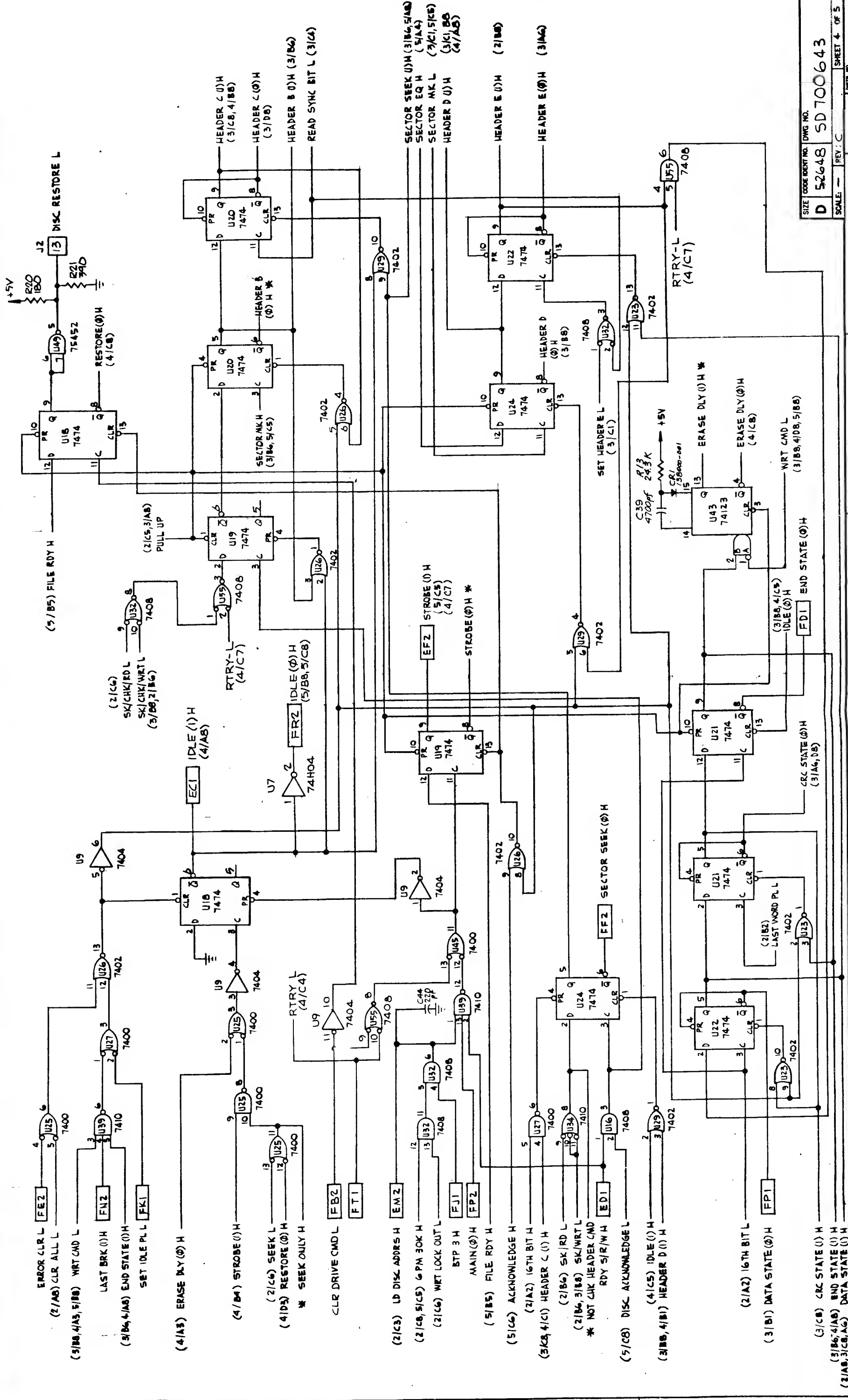
SIZE CODE B007 NO. DWG NO.

D 52648 SD 700643

SCALE: 1 REV: C SHEET 2 OF 5

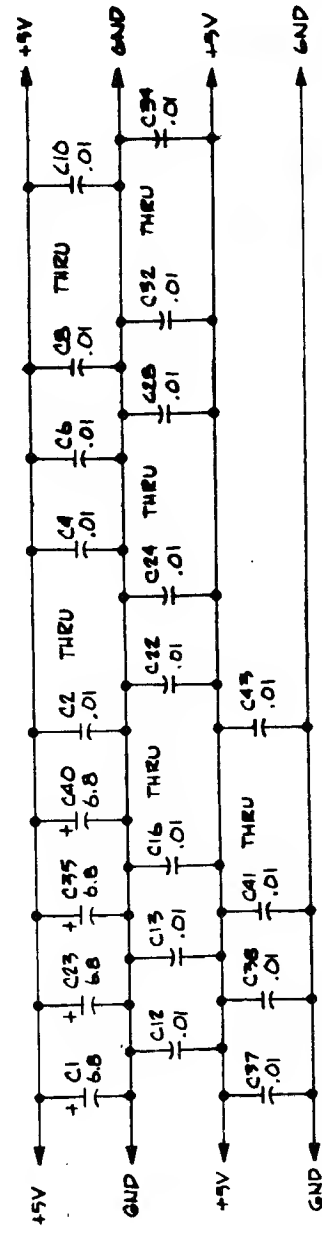
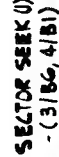
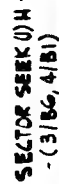


REVISIONS		DATE	APPROVED
ZONE	LTR	DESCRIPTION	
SEE SHEET 1			



REVISIONS		DESCRIPTION
ZONE	LTR	

SEE SHEET 1



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LAST DESIGNATION USED	
RESISTOR	R34
CAPACITOR	C31
INTEGRATED CIRCUIT	U65

DESIGNATIONS NOT USED	
RESISTOR	R18
CAPACITOR	C28
INTEGRATED CIRCUIT	U28, 39

REF DES	CATCHED PER TOTAL	PART NO.
U3	1/2	380
U29	1/2	7408
U37	3/4	7432
U42	3/4	7402
U43	5/6	74404
U47	3/4	7402
U48	3/4	7402
U53	3/4	7408
U55	1/2	7400
U68	3/4	7437

6. VALUES ARE LAB SET. TO BE SET PER TEST SPEC TS 720645.
5. INDICATES COMPONENT NOT USED.
4. DESIGNATIONS SHOWN IN PARENTHESES (2/A1) INDICATES WHERE SIGNAL ORIGINATES OR TERMINATES
3. SIGNALS SHOWN IN RECTANGLE [A1] ARE I/O CONNECTIONS
- BOARD SIDE
- PIN DESIGNATION
- CONNECTOR DESIGNATION
2. FOR ASSEMBLY SEE DRAWING 700645.
1. ALL RESISTORS ARE $\pm 5\%$, 1/4 W.
- NOTES: UNLESS OTHERWISE SPECIFIED

SIDE 2		SIDE 1	
A		A	
B		B	
C		C	
D		D	
E		E	
F		F	
G		G	
H		H	
I		I	
J		J	
K		K	
L		L	
M		M	
N		N	
P		P	
R		R	
S		S	
T		T	
U		U	
V		V	

CONNECTOR A

CONNECTOR B

CONNECTOR C

CONNECTOR D

CONNECTOR E

CONNECTOR F

CONNECTOR G

CONNECTOR H

CONNECTOR I

CONNECTOR J

CONNECTOR K

CONNECTOR L

CONNECTOR M

CONNECTOR N

CONNECTOR P

CONNECTOR R

CONNECTOR S

CONNECTOR T

CONNECTOR U

CONNECTOR V

SIDE 2		SIDE 1	
A		A	
B		B	
C		C	
D		D	
E		E	
F		F	
G		G	
H		H	
I		I	
J		J	
K		K	
L		L	
M		M	
N		N	
P		P	
R		R	
S		S	
T		T	
U		U	
V		V	

CONNECTOR A

CONNECTOR B

CONNECTOR C

CONNECTOR D

CONNECTOR E

CONNECTOR F

CONNECTOR G

CONNECTOR H

CONNECTOR I

CONNECTOR J

CONNECTOR K

CONNECTOR L

CONNECTOR M

CONNECTOR N

CONNECTOR P

CONNECTOR R

CONNECTOR S

CONNECTOR T

CONNECTOR U

CONNECTOR V

SIDE 2		SIDE 1	
A		A	
B		B	
C		C	
D		D	
E		E	
F		F	
G		G	
H		H	
I		I	
J		J	
K		K	
L		L	
M		M	
N		N	
P		P	
R		R	
S		S	
T		T	
U		U	
V		V	

CONNECTOR A

CONNECTOR B

CONNECTOR C

CONNECTOR D

CONNECTOR E

CONNECTOR F

CONNECTOR G

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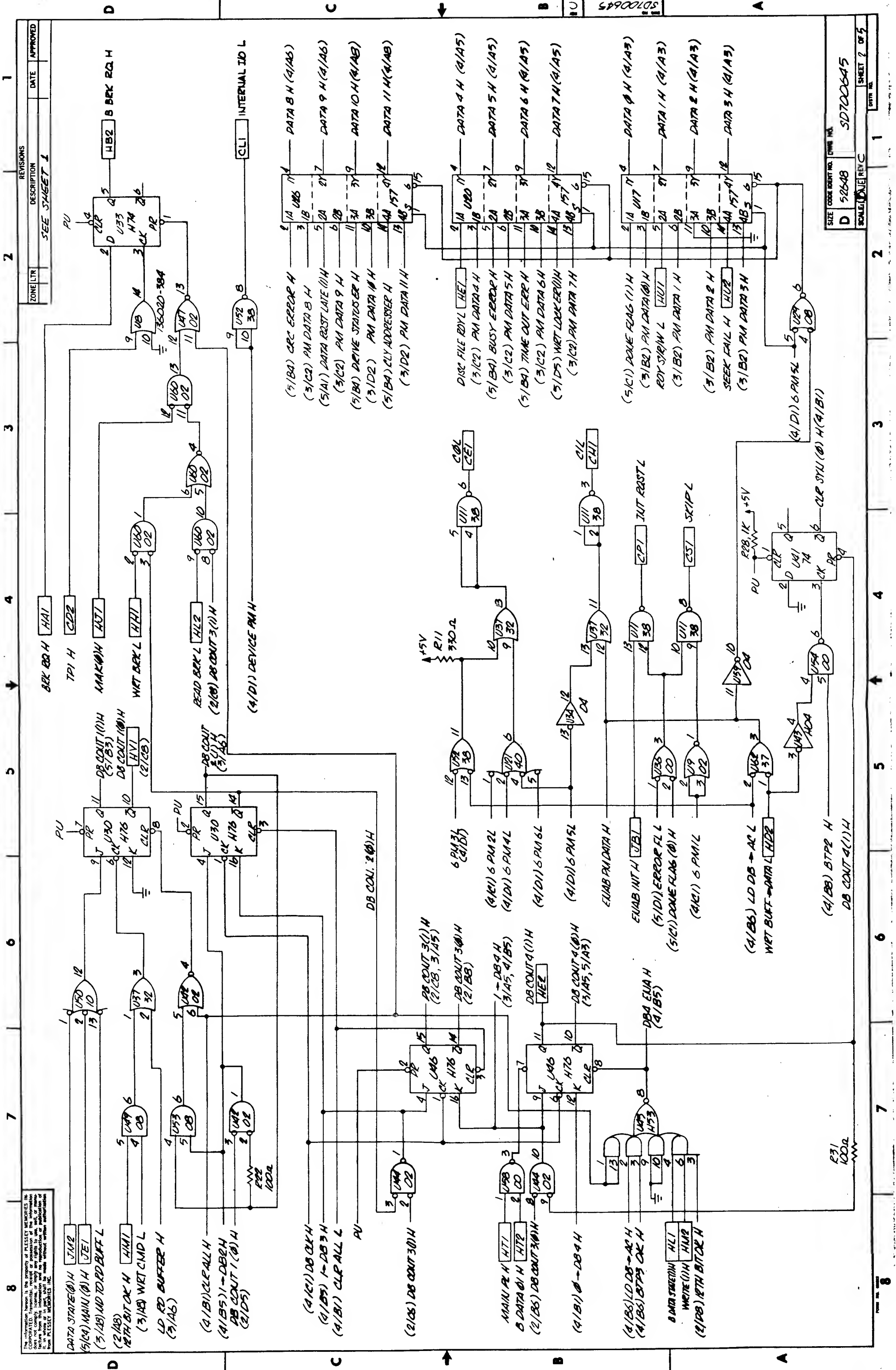
CONNECTOR U

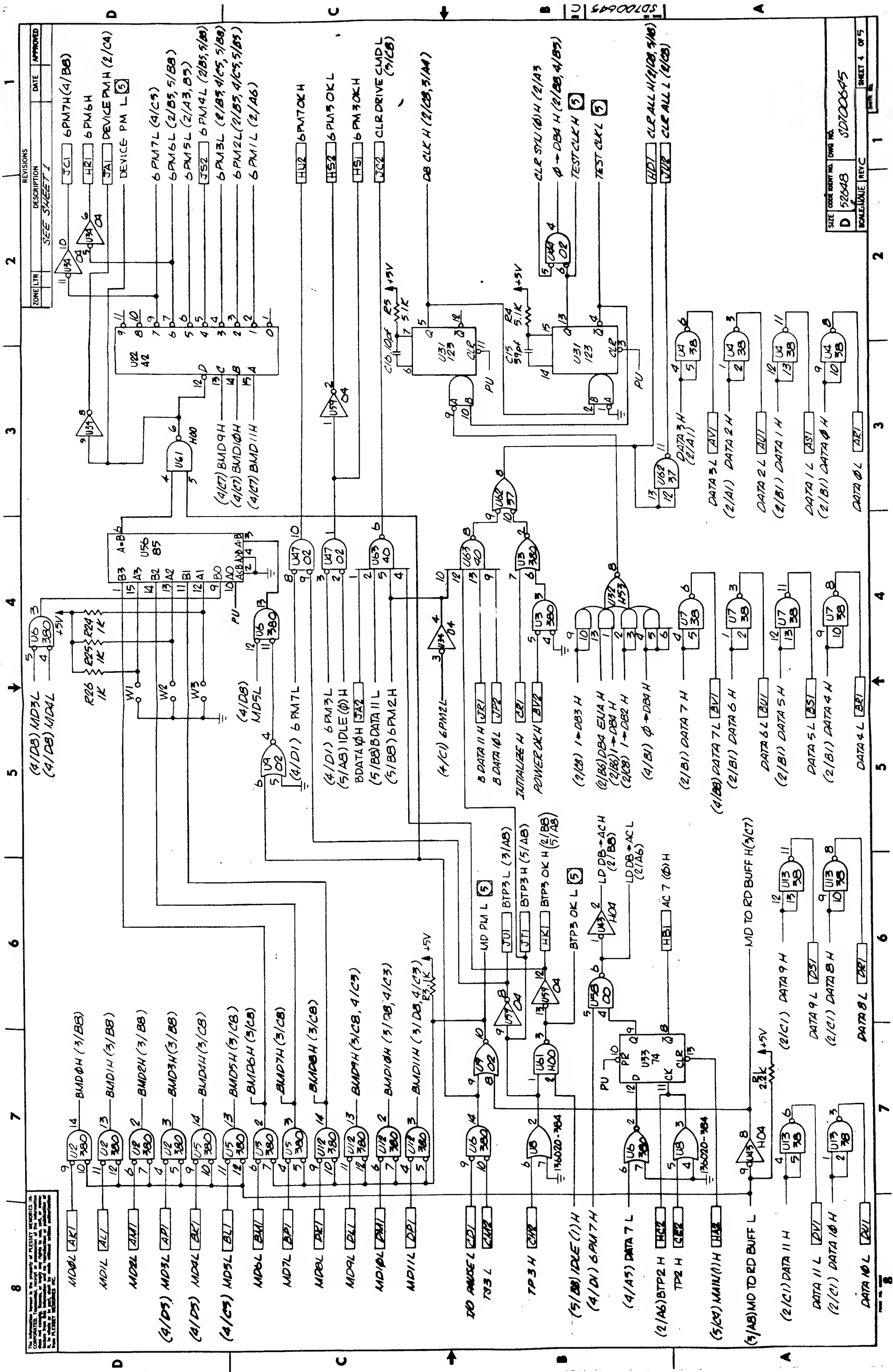
CONNECTOR V

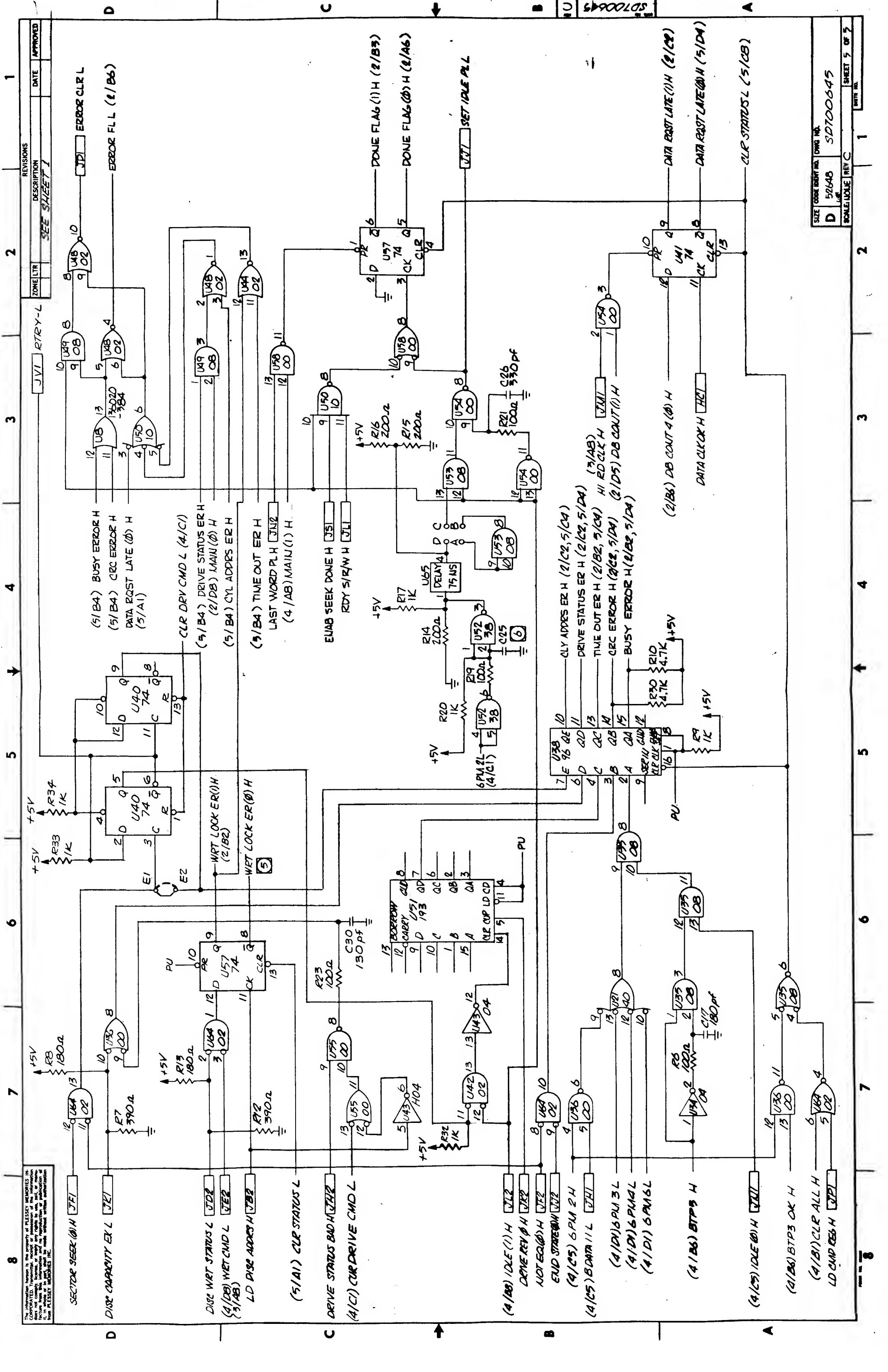
ZONE LTR	DESCRIPTION	DATE	APPROVED
A	REL TO PROD PER EDO 500686	12-9-75	10
B	INCORP EDO 1166	2-27-76	15
C	INCORP EDO 1213	6-1-76	20
D	INCORP EDO 1270	9-8-76	25

PRODUCTION RELEASE

CONTRACT NO.	1	2	3	4	5	6	7	8
PART/ASSY NO. & QTY PER ASSY								
PART/ASSY REV LTR								
DO NOT SCALE DRAWING								
SCREW THREADS PER HANDBOOK 1-18								
COUNTERBORE AND BOTTLE NECK TO BE AS SHOWN								
HOLE SIZE TO BE AS SHOWN								
FINISHES TO BE AS SHOWN								
STANDARD HOLE TOLERANCE PER AND 100								
TOLERANCE ON .25" & .50" DIA .0005" & .001" DIA .001" & .002" DIA .002" & .005" DIA .005" & .010" DIA .010" & .020" DIA .020" & .050" DIA .050" & .100" DIA .100" & .200" DIA .200" & .500" DIA .500" & 1.000" DIA 1.000" & 2.000" DIA 2.000" & 5.000" DIA 5.000" & 10.000" DIA 10.000" & 20.000" DIA 20.000" & 50.000" DIA 50.000" & 100.000" DIA 100.000" & 200.000" DIA 200.000" & 500.000" DIA 500.000" & 1000.000" DIA 1000.000" & 2000.000" DIA 2000.000" & 5000.000" DIA 5000.000" & 10000.000" DIA 10000.000" & 20000.000" DIA 20000.000" & 50000.000" DIA 50000.000" & 100000.000" DIA 100000.000" & 200000.000" DIA 200000.000" & 500000.000" DIA 500000.000" & 1000000.000" DIA 1000000.000" & 2000000.000" DIA 2000000.000" & 5000000.000" DIA 5000000.000" & 10000000.000" DIA 10000000.000" & 20000000.000" DIA 20000000.000" & 50000000.000" DIA 50000000.000" & 100000000.000" DIA 100000000.000" & 200000000.000" DIA 200000000.000" & 500000000.000" DIA 500000000.000" & 1000000000.000" DIA 1000000000.000" & 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LAST DESIGNATION USED	
RESISTOR	R7
CAPACITOR	C53
INTERMEDIATE CURRENT	U49
RESISTOR AND	PM4

REF	VALUES USED	PART NO.
DES	PER TOTAL	
U1	5/16	7404
U2	3/4	7400
U11	1/2	7440
U34	3/4	7438
U77	2/4	7400-304
U81	3/4	7400
U17	1/2	745139

SIDE 2		SIDE 1	
+5V	A		
GROUND	B		
ELAB 2 L	C	MA4 L	
ELAB 1 L	D	MA1 L	
GROUND	E		
ELAB 2 L	F	MA2 L	
MA4 2 L	G	MA3 L	
MA4 1 L	H		
MA4 2 L	I		
MA4 3 L	J		
MA4 4 L	K		
MA4 5 L	L		
MA4 6 L	M		
MA4 7 L	N		
MA4 8 L	O		
MA4 9 L	P		
MA4 10 L	Q		
MA4 11 L	R		
MA4 12 L	S		
MA4 13 L	T		
MA4 14 L	U		
MA4 15 L	V		

SIDE 2		SIDE 1	
+5V	A		
GROUND	B		
GROUND	C		
GROUND	D		
GROUND	E		
GROUND	F		
GROUND	G		
GROUND	H		
GROUND	I		
GROUND	J		
GROUND	K		
GROUND	L		
GROUND	M		
GROUND	N		
GROUND	O		
GROUND	P		
GROUND	Q		
GROUND	R		
GROUND	S		
GROUND	T		
GROUND	U		
GROUND	V		

SIDE 2		SIDE 1	
DISC SEEK FAIL L	A	CR2 DATA H	
DISC ADD 64 L	B	RD CLK 1 H	
DISC ADD 16 L	C	IDLE 11 H	
DISC DRIVE 0 L	D	RDY SIRM H	
DISC ADD 128 L	E	FILE RDY H	
STROBE 11 H	F	DISC DRIVE ADL	
DISC ADD 4 L	G	CLR ALL L	
DISC ADD 32 L	H	B DATA 11 H	
DISC ADD 2 L	I	B DATA 10 H	
DISC ADD 1 L	J	B DATA 9 H	
DISC ADD 0 L	K	B DATA 8 H	
DISC ADD 0 L	L	B DATA 7 H	
DISC ADD 0 L	M	B DATA 6 H	
DISC ADD 0 L	N	B DATA 5 H	
DISC ADD 0 L	O	B DATA 4 H	
DISC ADD 0 L	P	B DATA 3 H	
DISC ADD 0 L	Q	B DATA 2 H	
DISC ADD 0 L	R	B DATA 1 H	
DISC ADD 0 L	S	B DATA 0 H	
DISC ADD 0 L	T	B DATA 0 H	
DISC ADD 0 L	U	B DATA 0 H	
DISC ADD 0 L	V	B DATA 0 H	

SIDE 2		SIDE 1	
B DATA 10 H	A	DEVISE PM4 H	
LD DISC ADDRESS H	B	ELAB INT H	
CLR DRIVE CMD L	C	6 PM4 H	
B DATA 10 L	D	ERROR CLR L	
WRT CMD L	E	MAIN 10 H	
NOT EQ 10 H	F	SECTOR SEEK 10 H	
DEVISE STATUS DATA H	G	B DATA 11 L	
ELUD STATE 10 H	H	SET IDLE PL L	
DRIVE REV 10 H	I	DISC CAPACITY EX L	
IDLE 11 H	J	RDY SIRM 10 H	
DATA STATE 10 H	K	HI RD CLK H	
LAST WORD PL H	L	IDLE 10 H	
B DATA 10 L	M	LD CMD RESS H	
HI DATA 10 H	N	B DATA 11 H	
6 PM4 L	O	ELAB SEEK DATA H	
CLR ALL L	P	BTP3 H	
	Q	U BTP3 L	
	R	V BTP3 L	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN 11 H	A	BRK RQ H	
B BRK RQ H	B	ACT 10 H	
BTP3 H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 40 H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	G	WRT BRK L	
MAK 0 H	H	MAK 0 H	
BTP3 OK H	I	BTP3 OK H	
READ BRK L	J	B DATA STATE 11 H	
WRITE 11 H	K	MA10 BIT 0 H	
6 PM4 OK H	L	DATA ELAB 10 H	
BRK DR 10 H	M	LD MAIN 11 H	
SHFT WRT BUFF L	N	6 PM4 6 H	
6 PM4 OK L	O	6 PM4 OK H	
B DATA 1 H	P	MAIN PL H	
SEEK FAIL H	Q	RDY SIRM L	
LD MAIN 11 H	R	DB CLUT 10 H	

SIDE 2		SIDE 1	
MAIN(1)H	A	BRK RQ H	
B BRK RQ H	B	ACT (0)H	
BTP2-H	C	BTP3 OK H	
WRT BUFF - DATA L	D	CLR ALL H	
DB CLUT 4(1)H	E	DISC FILE RDY L	
PL4 DATA 11 H	F	PL4 DATA 11 H	
WRT BRK L	H	WRT BRK L	
MAK 0 H	J	MAK 0 H	
BTP3 OK H	K	BTP3 OK H	
READ BRK L	L	B DATA STATE (1)H	
WRITE (1) H	M	10 BIT BIT 0 K H	
6 PM4 OK H	N	DATA ENABLE(0)H	
BRK DR (0)H	P	LD MAIN SHFT L	
SHFT WRT BUFF L	R	6 PM4 H	
6 PM4 OK L	S	6 PM4 OK H	
DATA 1 H	T	MAIN R H	
STEEK FAIL H	U	RDY STN W L	
LD MAIN DATA H	V	DB CLUT 1 (0)H	

